

# **Picture**

# The RCA Digital High-Resolution Monitor is our most versatile TV ever.

The RCA brand has always offered innovative technologies to enhance your home entertainment experience. The RCA Digital High-Resolution Monitor lives up to this commitment by offering outstanding picture performance and multiple connectivity options. This is the perfect vehicle to help you make the transition into the world of HDTV. The RCA Digital High-Resolution Monitor can display 1080i (interlaced) television signals (1,330,560

RCA Model DTC100



# Combining the Digital High-Resolution Monitor with a DTC100 High-Definition Digital Receiver will provide you an HDTV quality picture.

Within the monitor's 4:3 aspect ratio viewing area, you receive the same pixel resolution inch for inch as with an HDTV picture. It is the 30% wider 16:9 aspect ratio screen that defines HDTV resolution.





-16:9 ratio = Over 1 million pixels

pixels) when you combine this television with an RCA DTC100 HD/Digital Receiver. In addition, with its seven sets of audio and video inputs the RCA High-Resolution Monitor has much more to offer outside the world of HDTV. It's the perfect display for your computer, VCR, standard TV broadcasts, video games and your DVD player—and they can all be connected at the same time!

# It's what goes on behind the screen that makes this picture incredible.

The RCA Digital High-Resolution Monitor delivers an incredible picture.

The RCA Digital High-Resolution Monitor is a **true SYNCROSCAN™ display.** This gives you professional quality monitor capability with a system that automatically detects signals with video display requirements from 15.7 kHz to 37.7 kHz. Connecting your computer to the (S)VGA input delivers 480,000 pixels of resolution.

The quality picture delivered to your screen can be precision tuned to your needs with the **Video and Text/Graphics Modes.** These deliver the optimum picture performance whether you are watching an HD movie or surfing the web.

## **High Performance Video System**

# • NEW INTELLIFOCUS™ Auto Convergence

Menu-selectable option that automatically adjusts the TV's convergence using eight optical sensors mounted around the inside of the screen. It results in the sharpest picture possible with corner-to-corner clarity that has to be seen to be believed.

#### NEW SYNCROSCAN™ HD Component and (S)VGA Video Inputs

Automatically adjusts scan rate of component video inputs (Y-Pr-Pb). Allows for connection of regular- or progressive-scan DVD players or component-output HDTV set-top boxes.

#### NEW Custom-Designed 5-Element Lens System with Color Correction

Provides a brighter picture with improved corner focus and overall video resolution. An integrated thermal focus control ensures accurate pinpoint focus by eliminating heat-related lens movement.

## Digital Focus

Computer-aligned ten-bit digital circuitry provides precise and consistent picture performance from the moment the TV is turned on. Combined with Dynamic Focus, it maximizes picture brightness with sharper corner focus, ensuring a beautifully detailed picture across the entire screen.

#### • 3D Y/C Digital Frame Comb Filter

The ultimate in color separation—this three-dimensional filter evaluates both current and future video information, eliminating dot and edge crawl, while providing for better transitions between scene changes—resulting in a dramatically enhanced picture.

#### Hi-Gain Dark-Tint Screen—25% Improved Brightness

New screen design improves brightness by 25% while utilizing dark-tint double lenticular and fresnel levels to enhance picture contrast with blacker blacks, brilliant whites, and deep rich colors.

# • High Performance Video Amplifier

Delivers high resolution and clarity by extending the video frequency response. Optimizes performance from high-resolution sources such as the RCA Satellite System, DVD players, and S-Video signals (S-VHS, Hi8).

#### • Dynamic Focus

Improves corner and edge focus for an overall sharper picture.

# Dynamic BlackStretch Circuitry Extends black levels in bright scenes to enhance contrast and detail

#### Deluxe Shielded Tuner with 181-Channel Tuning Capability<sup>4</sup>

Special shielding dramatically reduces ghosting caused from off-air pick-up when watching cable channels. Digitally-controlled frequency synthesis tuning system "locks on" to cable and standard signals with unsurpassed accuracy.

#### High Performance Scan Velocity Modulation (SVM)

Improved SVM circuitry automatically varies the scanning speed of the picture tube's electron beam to improve sharpness and detail, especially in high-contrast areas.

## • Adjustable Color Warmth

Customer-selectable color temperature system allows for background color balance adjustment of the picture to -personal preference. Setting choices are Cool, Warm, or Normal. Warm = NTSC standard of 6500°K.

# Sound

# SRS ( Focus<sup>2</sup>) Focus<sup>2</sup> Audio Technology

Ingenious new technology from SRS Labs. Raises the sound stage to ear level providing more lifelike audio. Combined with SRS² 3D Sound, it creates a fully immersive "live performance" listening experience from as few as two stereo speakers. Focus¹ technology is ideally suited for home applications when speakers can not be placed in optimal locations for either space or aesthetic reasons.

# Broadcast Stereo with dbx<sup>5</sup> Noise Reduction

Improves the clarity and fidelity of stereo broadcasts by restoring dynamic range and suppressing unwanted noise.

Front-Fired Speaker System
 Front-fired speakers offer 10 watts per channel of audio power. Provide excellent imaging while localizing voices at the screen.

• Second Audio Program (SAP)
Decodes the second audio program
available on some broadcasts.

## Remote

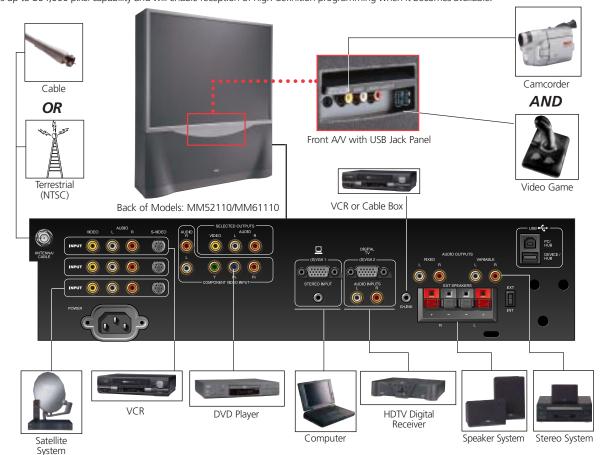
 Universal Glo-In-The-Dark Remote (CRK76TA1)



# Connections

# **Connects Your World For Today And Tomorrow**

To maximize the performance of the Digital High-Resolution Monitor, connect an RCA Satellite System. And the addition of the RCA DTC100 HDTV Digital Receiver provides up to 864,000 pixel capability and will enable reception of high-definition programming when it becomes available.



#### Seven Sets of Audio/ Video Inputs!

- –3 AVV composite inputs each with auto-detectible S-Video input.
- -1 set SYNCROSCAN™ HD component video inputs (Y-Pr-Pb) allows for connection of regularor progressive-scan DVD players or component-output HDTV set-top boxes.
- -2 15-pin D-sub SVGA inputs (one supports PC connection with a mini-plug audio jack for PC applications, the other provides connection for an
- HDTV converter or other highresolution source component with RCA-type audio jacks). VGA monitor "plug-and-play" convenience is supported via EDID data reporting through DDC2B protocol.
- -1 set audio/video inputs with USB port located on front panel.

#### Audio/Video Outputs

 –1 pair fixed audio outputs (provides constant level output for recording or for stereo system with its own remote).

- -1 pair variable audio outputs (the output audio level changes with TV's remote).
- -1 set selected audio/video outputs.
- –1 set of speaker jacks for external speakers.

#### USB Connection System

The monitor/receiver is complete with Universal Serial Bus (USB) port connection system which provides connection convenience with the latest USB-compatible PCs. Front and rear panel USB

jacks allow connections of up to 127 USB peripherals such as game pads, joysticks, keyboards, and digital video cameras, to be configured with the monitor.

# • G-LINK<sup>3</sup> Connector

The G-LINK<sup>3</sup> connector allows the GUIDE Plus+ GOLD<sup>3</sup> System to work with your VCR (enabling one-touch record) and/or cable box (ability to tune directly to a station when the program guide is on your TV screen).

# Convenience



# 2 ways to find your programs



#### The Grid Guide

Using the directional arrow pads on your remote, you may scroll through up-to-the-minute TV listings, or scroll to future programs. As each channel grid is highlighted, a description of the current program appears in the information area above the channel listing.

#### The Sort Guide

Want to relax and watch a movie? SORT lists movies by theme that are on for the next seven days. SORT can also help you find your favorite game or sports or children's programs.

# And The Benefit of One-Touch Record Even if your VCR is flashing GUIDE Plus+ GOLD<sup>3</sup> system

Even if your VCR is flashing 12:00, the GUIDE Plus+ GOLD<sup>3</sup> system can record your favorite show. Simply highlight the program you would like to record and press the Record button on the remote. In the Schedule Menu, you can choose to record shows once, daily, or weekly.



#### News

Review top national and world news stories, updated daily, and accessed through the NEWS Menu item on the Guide bar. Comprehensive coverage includes news, weather, sports and entertainment stories.

# • INTELLIFOCUS™ Auto Convergence

Menu-accessible feature automatically optimizes convergence for the sharpest picture possible.

#### Advanced Twin Tuner™ Picture-In-Picture

Two built-in, independent tuning systems allow both large-picture and small-picture viewing without the need for a second external source (eg. VCR). In addition to standard RCA features of swap, the Twin Tuner™ PIP System also provides:

#### -Continuous Move

Permits placement of the small picture anywhere on the screen.

## -Commercial Skip-to-PIP

This exclusive RCA feature allows the main picture to move to the PIP window simultaneously with the activation of an on-screen countdown timer. The viewer can then monitor the original program while browsing through other channels during commercial breaks.

#### • Picture Reset

Instantly returns picture to factory settings for Color, Tint, Contrast, Brightness, and Sharpness.

# Personal Picture Settings Favorite settings for each set of inputs can be programmed into memory

• Built-In Screen Protector

#### Advanced Auto Channel Search

Auto Cable/Air Switch sets tuner to cable or "off-air" frequencies during initial setup. Then system automatically scans for and locks active channels into channel memory.

#### • On-Screen Menu System

On-screen displays make it easy to adjust more picture, sound, and convenience features from either the remote control or the TV front panel buttons.

# • Interactive Setup Menu

Convenient on-screen menu system automatically steps user through the initial setup procedures.

#### Channel Labeling

Assign on-screen characters to easily identify channels (e.g. NBC, HBO, ESPN, VH-1).

## **Front Panel Lockout**

Completely disables front panel controls to prevent toddlers from altering settings.

#### • V-Chip Parental Control

Puts control back into the hands of the viewer by blocking unwanted television broadcasts with U.S. Government required circuitry. Blocks three types of programs: regular television programs, broadcast movies and unrated programs.

Program rating information is sent by the broadcaster continuously during the program. The television will match program rating to user preference and block the entire program (when program is aired with the encoded signal). User preference is secured using a four-digit password.

Model	MM52110	MM61110
Picture		
Hi-Gain, Dark-Tint Screen	Yes	Yes
Dynamic Focus	Yes	Yes
Scan Velocity Modulation	Yes	Yes
Aperture Sharpness	Yes	Yes
Comb Filter	3D Y/C Digital Frame	3D Y/C Digital Frame
Auto Color Control	Color Level & Tint	Color Level & Tint
BlackStretch	Yes	Yes
Color Detail Enhancement	Yes	Yes
Wide Band Video Amplifier	Yes	Yes
Video Noise Reduction	Yes	Yes
Calibrated Color Temperature	6500 & 9300 Kelvin	6500 & 9300 Kelvin
SYNCROSCAN™ Modes		
NTSC	15 7kHz /20Hz Interloced	15 7kHz /20Hz Interlaced
VGA	15.7kHz/30Hz Interlaced	15.7kHz/30Hz Interlaced
	640x480, 60Hz Progressive	640x480, 60Hz Progressive
SVGA	800x600, 60Hz Progressive	800x600, 60Hz Progressive
Digital TV Mode	1080 Interlaced	1080 Interlaced
Horizontal Resolution		
Lines Per Picture Height	924	924
Lines Per Picture Width	1232 <sup>6</sup>	1232 <sup>6</sup>
Sound		
Audio Power (Watts) Total	20 (10 Watts/Ch)	20 (10 Watts/Ch)
dbx⁵ Broadcast Stereo	Yes	Yes
Second Audio Program	Yes	Yes
SRS ( Sound Retrieval System <sup>1</sup>	SRS ( Focus	SRS ( Focus
Speakers	2 - 5" x 7" Full Range and 2 - 2" Tweeters	2 – 5" x 7" Full Range and 2 – 2" Tweeters
Convenience	<u> </u>	Ü
INTELLIFOCUS™ Auto Convergence	Yes	Yes
Channel Tuning Capability <sup>4</sup>	181	181
Twin-Tuner™ Picture-In-Picture	Yes	Yes
PIP Swap And Move		
·	Yes	Yes
Channel Labeling	Yes	Yes
V-Chip Parental Control	Yes Yes	Yes Yes
GUIDE Plus+ GOLD³ with News	2.2	
Stereo Headphone Jack	3.5mm Stereo Mini-Jack	3.5mm Stereo Mini-Jack
Front A/V Input	Composite, L/R Audio	Composite, L/R Audio
Front Universal Serial Bus	2-Hub	2-Hub
Universal Remote	Glo-In-The-Dark	Glo-In-The-Dark
Plug-And-Play Compatibility	VESA <sup>7</sup> DDC2B (VGA 1)	VESA <sup>7</sup> DDC2B (VGA 1)
Back Panel Inputs/Outputs		
Universal Serial Bus	Hub & Host	Hub & Host
A/V Inputs	3 - S-Video / Composite, L /R	3 - S-Video / Composite, L /R
SYNCROSCAN™ HD	Y-Pr-Pb (RCA Jacks):	Y-Pr-Pb (RCA Jacks):
Component Video Input	15.7 – 37.7 kHz	15.7 – 37.7 kHz
Monitor Control	VESA <sup>7</sup> DDC2B (VGA 1)	VESA <sup>7</sup> DDC2B (VGA 1)
UHF/VHF, Cable Input	75-OHM Terminal	75-OHM Terminal
VGA & SVGA Inputs	2 – 15-Pin D-SUB	2 - 15-Pin D-SUB
Selected A/V Outputs	Composite, L/R	Composite, L/R
Computer Audio Input Jack	3.5mm Stereo Mini-Jack (VGA 1)	3.5mm Stereo Mini-Jack (VGA 1)
Audio Output Jacks	Fixed & Variable	Fixed & Variable
External Speaker Terminals	1 Pair	1 Pair
User Adjustments	Adjustable Via On-Screen Menu	Adjustable Via On-Screen Menu
Basic Adjustments	Cont, Col, Tint, Blk Level, Sharp.	Cont, Col, Tint, Blk Level, Sharp.
Advanced Adjustments	Noise Filt., Color Temp.	Noise Filt., Color Temp.
Audio	Bass, Treb., Bal., Vol., Mute	Bass, Treb., Bal., Vol., Mute
General Specifications		
	FO!!	C4 II
Screen Size (measured diagonally)	52"	61"
Product Dimensions (H x W x D)	51½" x 44%" x 25"	61¼" x 51½" x 25¾"
Approximate Shipping Weight	278 Lbs.	305 Lbs.
Finish	Silver Venetian Suede	Silver Venetian Suede

# Plus

# • Limited Warranty

- One year for labor charges.
- One year for parts.
- Two years for picture tube.
- See RCA dealer or visit www.rca.com for complete details.

# MM52110



- 1 HD/Digital receiver required to receive digital TV signals.
  2 SRS, the SRS symbol , Focus and Sound Retrieval System are registered standards trademarks of SRS Labs, Inc.
  3 GUIDE Plus+ GOLD and G-LINK are trademarks of Gemstar Development Corporation.

- 4 Check your cable company's compatibility requirements.
   5 dobx is a registered trademark of Carillon Electronics Corporation.
   6 Lines per picture width, 924 lines based on EIA measurement criteria.
   7 The Video Electronics Standards Association.

# MM61110





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